



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
सीईएन - 05/25 - जेई, डीएमएस, सीएमए - CEN - 05/25 - JE, DMS, CMA



RRB JE 2025 CBT-2 DMS/CMA

Junior Engineer · DMS / CMA · CEN 05/2025 · CBT-2 · General Abilities — Topic-wise

English

17 Chapters · 50 Questions · Official Answer Key

About this Compilation

Every **General Abilities** question asked in the paper of the **RRB JE 2025 CBT-2 (DMS / CMA)** examination (CEN 05/2025), regrouped by **chapter**, so you can revise one topic end to end. The correct option is marked as per the official answer key.

How to use

- Use the **Index** to jump to any chapter (clickable).
- Within a chapter, questions on the same idea are placed together.
- The correct answer is highlighted in green with a tick.
- The same paper is also available complete and section-wise.



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Q1 National Handloom Day

On which date is National Handloom Day observed in India?

A. 7 August



B. 2 October

C. 18 August

D. 5 September



Q1 Electromagnet strength

A factory plans to install a powerful electromagnet for lifting metal scraps. To maximize the magnetic field strength around the coil, which of the following combinations would be most effective?

- A. Using a soft iron core, increasing coil turns, and increasing current through the coil ✓
- B. Using a steel core, decreasing coil turns, and lowering current
- C. Using a copper core, increasing coil turns, and lowering current
- D. Using an air core, decreasing coil turns, and keeping current constant

Q2 Eye accommodation

Which of the following statements best describes how the power of accommodation enables the human eye to focus on both near and distant objects?

- A. The eye lens changes its focal length by altering its shape through ciliary muscle action ✓
- B. The cornea provides all the focusing power required for clear vision
- C. The retina moves forward and backward to adjust the focus
- D. The iris controls the amount of light entering and helps to focus

Q3 Friction and motion

A student pushes a heavy box that is already moving across a rough floor. If the force applied by the student is exactly equal to the frictional force opposing the motion, what will happen to the box?

- A. The box will accelerate forward
- B. The box will gradually come to rest
- C. The box will move at a constant speed ✓
- D. The box will move at increasing speed

Q4 Lever mechanics

A construction worker needs to lift a heavy metal beam using a lever but has a limited length of plank. Which adjustment would allow the worker to lift the beam with the least effort if the position of the fulcrum can be changed but the plank length remains constant?

- A. Move the fulcrum closer to the worker
- B. Place the fulcrum at the center of the plank
- C. Keep the fulcrum fixed at any point
- D. Move the fulcrum closer to the beam ✓

Q5 Magnetic field lines

Which of the following statements best describes the behavior of magnetic field lines around a straight current-carrying conductor?

- A. They form concentric circles centered on the conductor. ✓
- B. They change direction randomly along the wire.
- C. They radiate straight outward from the wire.
- D. They are parallel straight lines along the wire.

Q6 Motion graphs

Which of the following best describes the velocity-time graph for an object moving with uniform velocity?

- A. A straight line sloping upwards from the time axis
- B. A line starting from the origin and sloping upwards
- C. A straight horizontal line parallel to the time axis ✓
- D. A curved line above the time axis

Q7 Sound propagation

Which of the following best describes how sound travels through air?

- A. The air particles remain stationary while the wave moves through
- B. The air particles vibrate up and down perpendicular to the direction of the wave
- C. The air particles vibrate back and forth parallel to the direction of the wave ✓
- D. The air particles move in circular paths as the wave passes



Q1 Acid neutralisation

A student accidentally spills some hydrochloric acid on a table. Which substance should be used to neutralise the acid safely?

- A. Vinegar
- B. Sugar solution
- C. Baking soda solution ✓
- D. Lemon juice

Q2 Atomic models

According to Thomson's model, how are electrons arranged in an atom?

- A. Randomly placed inside the nucleus
- B. Embedded in a positively charged sphere like seeds in a watermelon ✓
- C. Orbiting around neutrons in elliptical paths
- D. Moving in fixed orbits around the nucleus

Q3 Atomic models

Which experimental discovery contradicted Thomson's model of the atom and led to its rejection?

- A. Discovery of the neutron by James Chadwick
- B. Measurement of atomic radius using X-ray diffraction
- C. Observation of line spectra of hydrogen by Bohr
- D. Alpha particle scattering showing deflection at large angles ✓

Q4 Chemical reaction types

Consider the following statements regarding chemical reactions and choose the correct option.

Statement I: Every reaction in which two or more reactants combine to form a single product is classified as a combination reaction regardless of heat change.
Statement II: The reaction $\text{CaO(s)} + \text{H}_2\text{O(l)} \rightarrow \text{Ca(OH)}_2\text{(aq)} + \text{heat}$ is both a combination reaction and an exothermic reaction.

- A. Only Statement II is correct
- B. Both statements are incorrect
- C. Both statements are correct ✓
- D. Only Statement I is correct

Q5 Displacement reactions

Which condition is required for a displacement reaction between a metal and salt solution?

- A. Metal must be higher in reactivity series ✓
- B. Reaction must be endothermic
- C. Salt must be insoluble in water
- D. Metal must be same as salt constituent

Q6 Hydrocarbon formulas

What is the general formula of alkenes?

- A. $\text{C}_n\text{H}_{2n+2}$
- B. C_nH_n
- C. C_nH_{2n} ✓
- D. $\text{C}_n\text{H}_{2n-2}$

Q7 IUPAC naming

In a real-life scenario, a chemist discovers a compound with the formula $\text{CH}_3\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{OH}$. What is the correct IUPAC name for this compound?

- A. 4-methylpentanol
- B. 2-methylhexanol
- C. 3-methylhexanol
- D. 3-methylpentan-1-ol ✓

Q8 Inert atmospheric gases

The atmospheric component that remains largely unreactive is _____.

- A. Oxygen
- B. Methane
- C. Argon ✓
- D. Carbon dioxide

Q9 Solutions solute solvent

If 10 grams of salt are dissolved in 100 mL of water, which component is the solute?

- A. Salt only ✓
- B. Water only
- C. Neither
- D. Both salt and water



Computer Awareness

7 Questions • Answer Key

Q1 Excel functions

Which function returns the smallest value?

A. MIN()



B. MAX()

C. AVERAGE

D. COUNT()

Q2 Excel functions

If cell A1 = 10 and B1 = 20, what will `=A1+B1` return?

A. 1020

B. 200

C. Error

D. 30



Q3 MS Office file extensions

What file extension is used to save an MS PowerPoint 2021 presentation?

A. .xlsx

B. .docx

C. .pptx



D. .pdf

Q4 MS Word features

Which Quick Style type is applied only to selected words or individual characters within a paragraph in MS Word 2010?

A. Character styles



B. Page styles

C. Linked styles

D. Paragraph styles

Q5 PowerPoint features

You want to automatically advance slides with narration and animations during a presentation. Which MS PowerPoint feature should you use to achieve this?

A. Slide Sorter

B. Presenter View

C. Action Buttons

D. Rehearse Timings



Q6 Windows file search

How can we locate a file with a known extension but an unknown name in a large directory?

A. Using the dir command

B. Checking the Recycle Bin

C. Through File Explorer

D. Using the Search box in File Explorer with *.ext



Q7 Windows settings

Which of the following options must be DISABLED before manually setting the date and time in Windows?

A. Night Light

B. Enable multiple clocks

C. Set time zone globally

D. Set time automatically



Computer Awareness

3 Questions • Answer Key

Q1 Computer viruses

Which type of computer virus attaches itself to executable files and gets activated when the file is run?

A. File Infector Virus



B. Boot Sector Virus

C. Worm

D. Macro Virus

Q2 Email folders

Which of the following statements is true about the Outbox?

A. It is used to receive incoming emails.

B. It holds emails that have been successfully sent.

C. It temporarily stores emails that are queued for sending.



D. It contains emails that are currently being drafted.

Q3 Phishing fraud

Which of the following is/are the primary reasons to fall in the trap of Email fraud or phishing?

A) Paying attention to lucrative offers.

B) Not checking on links or attachments from unknown senders

C) Providing official information via email

D) Paying attention to the company logo sent in the email

A. A, B, C Only



B. A, B, D Only

C. A only

D. A, B Only



Q1 Navy commissioning 2025

Which new warship was commissioned by the Indian Navy in November, 2025, to strengthen anti-submarine and coastal defence capabilities?

A. INS Arnala

B. INS Vikrant

C. INS Mahe



D. INS Ikshak



Q1 Navy satellite launch

Which of the following satellites was launched on November 2, 2025, to enhance the Indian Navy's secure communication network and maritime surveillance capabilities?

A. CMS-03 (GSAT-7R)



B. GSAT-6A

C. RISAT-2B

D. Cartosat-3



Q1 National Games 2025

Who won the maximum number of medals at the 38th National Games of India?

- A. Manu Bhaker
- B. Bajrang Punia
- C. Neeraj Chopra
- D. Dhinidhi Desinghu



Q1 National Handloom Day

When was the 11th National Handloom Day celebrated across India under the coordination of the Ministry of Textiles?

- A. November 7, 2025
- B. September 7, 2025
- C. October 7, 2025
- D. August 7, 2025



Q1 Colonial revolts

The Mappila Uprisings of the 19th century occurred mainly in which region of India?

- A. Sunderbans region of West Bengal
- B. Malabar region of Kerala ✓
- C. Konkan region of Maharashtra
- D. Coromandel Coast of Tamil Nadu

Q2 Colonial revolts

The Kol Rebellion (1831–32) mainly affected which plateau region?

- A. Deccan Plateau
- B. Chotanagpur Plateau ✓
- C. Malwa Plateau
- D. Meghalaya Plateau



Q1 River deltas

Which of the following rivers forms a delta along the eastern coastal plains?

A. Ganga

B. Tapi

C. Godavari



D. Narmada



Q1 Article 19 freedoms

Which of the following Articles states about the right of individual to form associations or unions or co-operative societies?

- A. Article 19 (1) (b)
- B. Article 19 (1) (c)** ✓
- C. Article 19 (1) (d)
- D. Article 19 (1) (a)

Q2 Council of Ministers size

According to the Article 75 of the Indian Constitution, the total number of ministers (including the Prime Minister) in the Council of Ministers shall NOT exceed what percentage of the total members of the House of the People, i.e., Lok Sabha?

- A. 20%
- B. 25%
- C. 10%
- D. 15%** ✓

Q3 Pardoning powers

Match the following columns.

Pardoning power	Function
1. Commutation	a. Removes both sentence and the conviction.
2. Reprieve	b. Lesser sentence than originally given, in special cases.
3. Respite	c. Reducing the period of sentence without changing the character of the sentence.
4. Remission	d. Temporary stay on the execution of a sentence.
5. Pardon	e. Substitution of one form of punishment to a lighter one.

- A. 1-d, 2-b, 3-e, 4-c, 5-a
- B. 1-c, 2-e, 3-b, 4-a, 5-d
- C. 1-a, 2-c, 3-d, 4-e, 5-b
- D. 1-e, 2-d, 3-b, 4-c, 5-a** ✓



Q1 Colonial architecture Mumbai

Which British colonial building in Mumbai, completed in 1888, showcases a blend of Victorian Gothic and Indian architectural elements?

- A. Bombay Town Hall
- B. Gateway of India
- C. Rajabai Clock Tower
- D. Chhatrapati Shivaji Maharaj Terminus ☒



Q1 Climate action plans

Which of the following is a primary mission under India's National Action Plan on Climate Change (NAPCC)?

- A. National Highway Development Project
- B. National Nutrition Mission
- C. National Solar Mission ☒
- D. National Rural Livelihood Mission

Q2 Climate action plans

Which pair of sectors is commonly addressed together in State Action Plan on Climate Change (SAPCC) adaptation planning?

- A. Water resources and health systems ☒
- B. Information technology and space research
- C. Heavy industry and entertainment
- D. Textile design and fashion marketing



Q1 Biomedical waste

Biomedical waste handlers in a hospital are at risk of occupational hazards. The most effective way to protect them from exposure to infectious materials is:

- A. Vaccination against common infections
- B. Segregation of waste into color-coded bins
- C. Use of protective equipment and safe handling ✓
- D. Regular medical check-ups

Q2 Domestic waste management

The primary method of managing biodegradable domestic waste after collection is _____.

- A. throwing into sewers
- B. sending for recycling
- C. conversion into compost ✓
- D. burnt in open air

Q3 Oil spill pollutants

The pollutant group commonly associated with oil spills in oceans is _____.

- A. agricultural pesticides
- B. petroleum products ✓
- C. synthetic detergents
- D. chemical fertilizers

Q4 SO₂ air pollutant

What is the main reason sulfur dioxide irritates the upper respiratory mucous membrane?

- A. It combines with other pollutants and polymerizes in the lungs
- B. It combines with haemoglobin and effect the oxygen transport
- C. It oxidizes to sulphur trioxide and inhaled deep into lung
- D. It dissolves in moisture in upper respiratory tract and forms irritant ✓

Q5 Smog formation

The term 'smog' is a combination of _____.

- A. Fog and clouds
- B. Smoke and haze
- C. Smoke and fog ✓
- D. Smog and mist

Q6 Soil pollution

A farmer applies large amounts of chemical fertilizers over several years. Which consequence most likely results from this practice leading to soil pollution?

- A. Faster plant growth every season
- B. Accumulation of toxic substances in soil ✓
- C. Erosion of surface soil layers
- D. Increase in earthworm population

Q7 Soil pollution

A field exposed to excessive pesticide use shows a sharp decline in earthworm population. The resulting effect on soil is:

- A. Enhanced decomposition
- B. Reduced soil fertility ✓
- C. Improved aeration
- D. Increased water retention



Q1 Sustainability indicators

Which of the following indicators is NOT typically used to measure sustainable development?

- A. Ecological Footprint
- B. Biocapacity
- C. Gross Domestic Product (GDP) growth rate ☒
- D. Human Development Index (HDI)



Q1 Rural road scheme

The primary goal of the Pradhan Mantri Gram Sadak Yojana (PMGSY) is to:

- A. Enhance telecommunication services in cities
- B. Provide rural connectivity through road construction ☒
- C. Develop urban infrastructure
- D. Promote renewable energy usage

Q2 Water schemes

The Atal Bhujal Yojana 2020 focused on improving water resources management of how many states?

- A. eight
- B. five
- C. ten
- D. seven ☒

